

The first of these is the fact that the
  $\text{C}_{60}$  molecule is a truncated icosahedron,
 which is a polyhedron with 32 faces, 60
 vertices, and 90 edges. The second is
 the fact that the  $\text{C}_{60}$  molecule is a
 highly symmetric molecule, with a
 symmetry group of  $I_h$ . The third is
 the fact that the  $\text{C}_{60}$  molecule is a
 highly stable molecule, with a
 dissociation energy of approximately
 10 eV per molecule.